Biography

Mr.Brian P. Baroni

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PM Tactical Radio Communications Systems
Joint Tactical Radio System

Brian Baroni

Systems Engineer

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CLUSTER 1, OSD Challenge Program DEFINITION

The Joint Tactical Radio System (JTRS) Cluster 1 program will provide the warfighter with a software-reprogrammable, multi-band/multi-mode capable, networkable system for ground vehicular and rotary wing configurations.

The Challenge program creates competitive incentives for major acquisition programs' prime contractors to insert new technology from small technology companies and other commercial firms.

CHARACTERISTICS

- Challenge has been approved for implementation as a pilot program in 20 Acquisition Category (ACAT) 1 or 2 programs, to include JTRS Cluster 1.
- Boeing conducted an Industry Day on 21 Mar 03 to discuss innovative Technology Insertion Plans for the JTRS Cluster 1 program.
- OPM TRCS will consider generation of “Letters of Interest” in support of Phase I OSD Challenge program submittals.
- If Phase I proposals are accepted by OSD, OPM TRCS will consult with Boeing prior to generating “Letters of Endorsement” for Phase II DOD Challenge program submittals.
- Boeing has indicated the objective is to hold Industry Day’s every six months. The next opportunity will be in the Sep/Oct 03 timeframe.

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- **OBJECTIVE:** To insert new technology from small technology companies and other commercial firms into the JTRS Cluster 1 Program.
- **CONTRACT TYPE:** OSD BAA
- **ESTIMATED VALUE:** Varies, $12M set aside for FY2003
- **KEY MILESTONES:** Next Industry Day, Sep-Oct 2003
- **TECHNICAL CONTACT:** Terry Sterkel, PM TRCS, (732) 427-3613
- **ACQUISITION CONTACT:** Adele Ratcliff, OSD, (703) 602-3740
- **SOLICITATION # or RFQ #:** N/A

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CLUSTER 5 DEFINITION

The JTRS Cluster 5 will provide the Warfighter with a multi-channel (2-Channel) software programmable hardware-configurable digital radio networking system. It will support multi-service requirements for Small Form Fit (embedded), Handheld and Manpack radio systems to include the Army's embedded radio requirements for the Land Warrior and Future Combat Systems (FCS) programs. Cluster 5 will encompass design, development, Low Rate Initial Production (LRIP), and Full Rate Production (FRP) phases for the 1st generation of Operational Requirements Document (ORD) compliant JTRS assets.

CHARACTERISTICS

- Single System Design and Development (SDD) contract award with LRIP options to meet early Handheld Manpack, and FCS embedded hardware requirements
- Require modular design that seeks to maximize use of common components across all Form Factors
- Prime contractor must qualify multiple hardware vendors for each Form Factor prior to IOTE
- Common Form Fit Function design for each Form Factor
- Prime not precluded from being a hardware source
- Porting of all waveforms from JTRS JPO library to include the SLICE Soldier Radio Waveform (SRW)
- Spiral development consistent with waveform availability. Full JTRS ORD compliance in subsequent spiral, threshold date consistent with FCS FUE
- Award multiple, competitive hardware contracts in Full Rate Production

STATUS/PROGRAM DIRECTION

- Initial Industry Day conducted on 30 January 2003
- Preparing release of draft Request For Proposal (RFP)
- Milestone (MS) B scheduled for 2nd Qtr FY 04
- Estimated award of contract in 2nd Qtr FY 04

CHALLENGES

- 2-Channel Functionality, cosite and cross-banding issues
- Size, Weight and Power
- Multiple Independent Levels of Security for each of the two channels
- Varying platform environmental requirements.
- Antenna Technology
- Waveform Portability

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- **OBJECTIVE:** Award R&D contract for the development of a JTRS ORD compliant radio for Handheld, Manpack, and Small Form Fit form factors.
- **CONTRACT TYPE:** Cost Plus Type
- **ESTIMATED VALUE:** $300-$350M
- **KEY MILESTONES:** MS B and Contract Award 2nd QTR FY 04
- **TECHNICAL CONTACT:** James Neubauer, 732-532-3924
- **ACQUISITION CONTACT:** Homer O' Krepki, 732-532-4840
- **SOLICITATION # or RFQ #:** N/A

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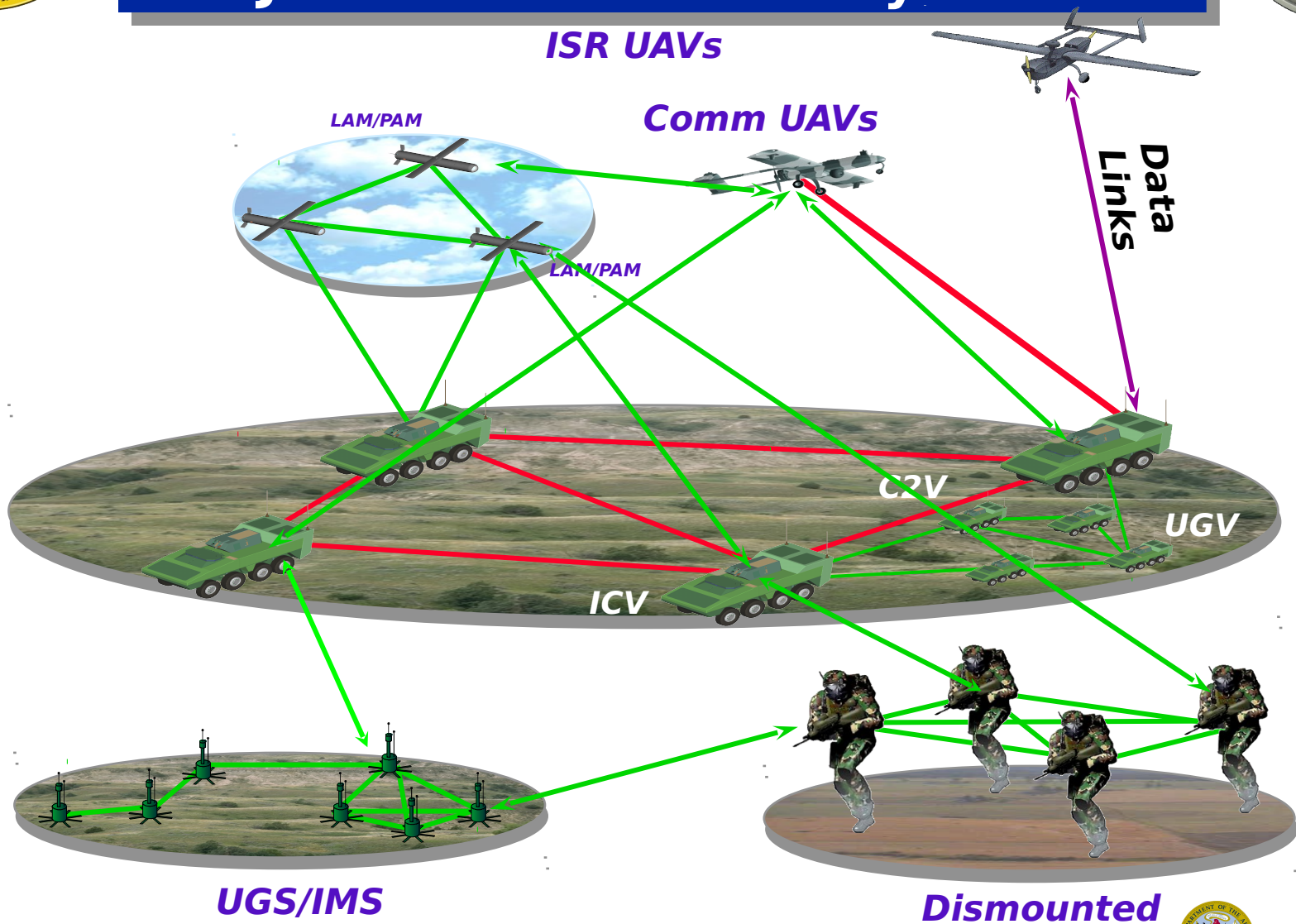

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